

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 84-72

WASTE DISCHARGE REQUIREMENTS FOR:

FREIXENET SONOMA CHAMPAGNE CAVES
SONOMA, SONOMA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board) finds that:

1. Freixenet Sonoma Champagne Caves (hereinafter discharger) submitted a Report of Waste Discharge dated April 26, 1984 and subsequent information transmitted by letters of May 18 and July 18 for discharge of sanitary domestic waste and process wastewater at their proposed champagne production facility to be located at 23555 Highway 121, Sonoma, Sonoma County.
2. The discharger proposes to discharge 2100 gallons per day (gpd) of sanitary waste from 27 employees and 249 visitors/day. The waste is to be discharged into a septic tank followed by a sand-gravel mound soil-absorption system. The design of this follows the State Water Resources Control Board's "Minimum Guidelines for the Control of Individual Wastewater Treatment and Disposal Systems".
3. The discharger proposes to discharge 2800 gpd (annualized average) of process washwater waste into evaporation ponds from production of 40,000 cases of champagne per year.
4. About 1 1/2 acre of meadow above the disposal/evaporation ponds will be used in dry weather months, to dispose of pond water by spray disposal if needed. This would provide greater disposal capacity to the system, via evaporation/transpiration. Excess spray disposal water would flow back into the pond. Normally the loading rate would not cause an excess.
5. The waste treatment facilities are located in an area where a perched water table exists two to three feet below the ground surface during wet seasons. The principal source of water supply for nearby homes is from deep wells. The method of waste disposal does not threaten any useable groundwater supply in the vicinity.
6. The mound and the ponds are located near draineways which discharge into Sonoma Creek, waters of the State.

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7. The Board adopted a Water Quality Control Plan (Basin Plan) for the San Francisco Bay Region on July 21, 1982. The Basin Plan contains water quality objectives for Sonoma Creek.
8. The beneficial uses of Sonoma Creek as set forth in the Basin Plan include:
 - a. Water contact recreation
 - b. Non-contact recreation
 - c. Warm fresh water habitat
 - d. Cold fresh water habitat
 - e. Wildlife habitat
 - f. Preservation of rare and endangered species
 - g. Fish migration
 - h. Fish spawning
9. The County of Sonoma found and determined on the basis of a Design Review that the project, as described, will have no substantial adverse effect on the environment, and therefore adopted a Negative Declaration regarding this project, dated _____ in accordance with the California Environmental Quality Act.
10. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharger and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that Freixenet Sonoma Champagne Caves, Sonoma, pursuant to provisions of Division 7 of the California Water Code, and regulations adopted thereunder, shall comply with the following:

A. Prohibitions

1. Waste shall not be allowed to escape from the discharger's property into waters of the State via either surface flow or surfacing after percolation.
2. Overflow from the evaporation ponds is prohibited. There shall be no bypass or overflow of waste to waters of the State from the collection, treatment, or pond system.

3. Discharge of wastewater to any land other than the mound, evaporation ponds and spray-disposal pasture is prohibited.
4. Wastewater ponding which could provide a breeding area for mosquitoes is prohibited.

B. Discharge Specifications

General:

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The disposal of waste shall not cause degradation of ground water suitable for domestic use or cause an increase in any quality parameter that would make ground water unsuitable for irrigation use.
3. This Order does not allow for spray disposal or other wastewater reclamation, beyond that land surface which forms a contiguous part of the evaporation/transpiration disposal system.

Mound System:

4. All waste discharged to the mound system shall be kept below the ground surface at all times.
5. The volume of waste discharged to the sand-gravel mound soil-absorption system shall not exceed 2100 gpd.
6. The mound shall be adequately protected from erosion in maintaining grass cover and mowing if necessary. Vehicle traffic shall be effectively excluded from driving on the mound surface.

Evaporation Ponds:

7. The evaporation ponds shall be adequately protected from erosion, washout and flooding from a rainfall event having a predicted frequency of once in 100 years.
8. The average wastewater flow to the ponds shall not exceed the original design capacity of 2800 gpd (annual average).

9. Waste at the surface of the evaporation pond shall meet the following quality limits at all times:

In any grab sample:

Dissolved Sulfide	0.1 mg/l maximum
Dissolved Oxygen	2.0 mg/l minimum

10. To prevent threat of overflows, a minimum freeboard of 2 feet shall be maintained in each evaporation pond at all times.
11. The discharge of waste shall not cause seepage to be present any place outside the evaporation ponds.
12. The public shall be effectively excluded and notified of the presence of wastewater in the waste treatment and disposal areas.

C. Provisions

1. The discharger shall comply with all Sections of this Order immediately upon adoption.
2. The discharger shall submit a construction time schedule and an erosion control plan before any site construction commences, but in no case later than 30 days after the issuance of this Order.
3. All necessary waste handling facilities for domestic waste shall be constructed and operable before the discharge of waste to the mound system commences.
4. By October 1 of each year, the discharger shall submit a report to the satisfaction of the Executive Officer containing the depth of freeboard in each pond, and an assessment of the ability of the ponds to maintain the minimum freeboard in the ponds throughout the wet season with anticipated rains and waste inflow.
5. In reviewing compliance with Prohibitions A.2 and A.3 and Specification B.7, the Board will take special note of the difficulties which may be encountered in achieving compliance during entire wet seasons having a rainfall recurrence interval greater than once in ten years.
6. When approved public sanitary sewer is within 400 ft. of the evaporation ponds, the discharger shall submit

a technical report to the satisfaction of the Executive Officer and time schedule describing how the mound will be abandoned and connection made to the sanitary sewer.

7. The discharger shall comply with the following items contained in the attached Regional Board's "Standard Provisions, Reporting Requirements, and Definitions," dated April 1977: A.1, A.2, A.3, A.4, A.6, A.7, A.8, A.11, A.14, A.15, and B.4.
8. This Board will review this Order periodically and may revise the requirements when necessary.
9. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program as directed by the Executive Officer.
10. The discharger shall permit the Regional Board:
 - (a) Entry upon premises in which an effluent source is located or in which any required records are kept,
 - (b) Access to copy any records required to be kept under terms and conditions of this Order,
 - (c) Inspection of monitoring equipment or records, and
 - (d) Sampling of any discharge.
11. Collected screening, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.
12. In the event the discharger is unable to comply with any of the conditions of this Order due to:
 - (a) Breakdown of waste treatment equipment;
 - (b) Accidents caused by human error or negligence;
or

(c) Other causes such as acts of nature,

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

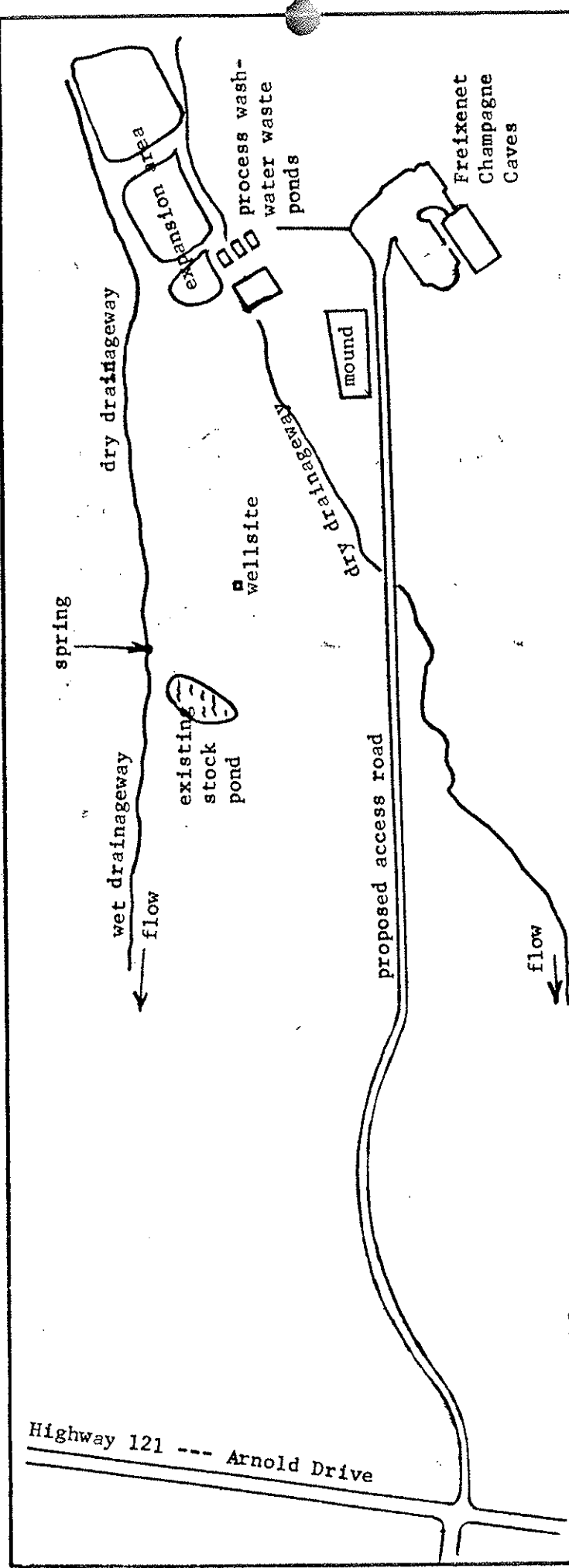
13. In the event of any change in control of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.

I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on October 17, 1984.

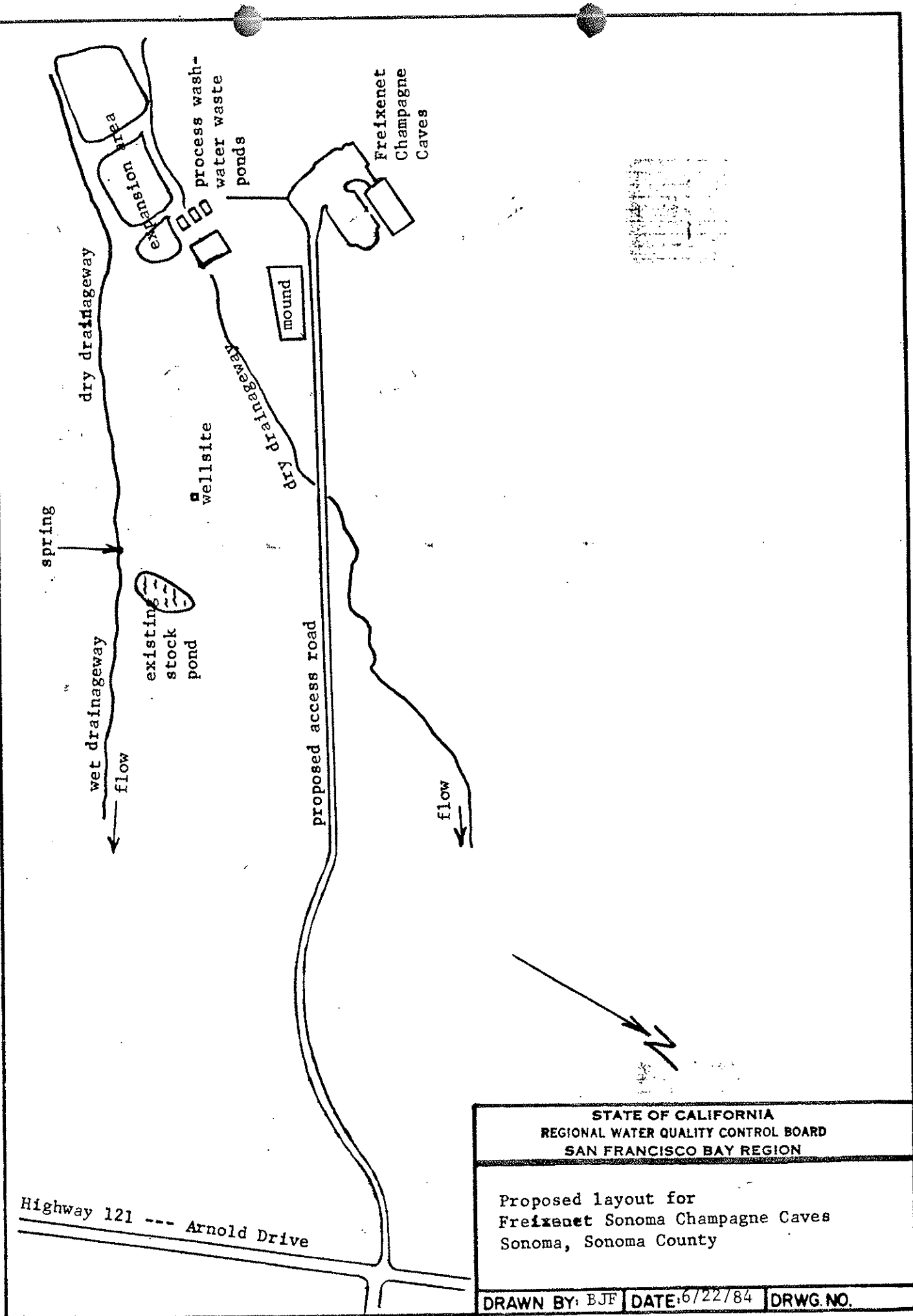
ROGER B. JAMES
Executive Officer

DATED

Attachment: Maps
Self-Monitoring Program
Standard Provisions (1977)



STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION		
Proposed layout for Freixenet Sonoma Champagne Caves Sonoma, Sonoma County		
DRAWN BY: BJF	DATE: 6/22/84	DRWG. NO.



STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

Proposed layout for
Freixenet Sonoma Champagne Caves
Sonoma, Sonoma County

DRAWN BY: BJF DATE: 6/22/84 DRWG. NO.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

Freixenet Sonoma Champagne Caves

Sonoma

Sonoma County

NPDES NO. CA

ORDER NO. 84-72

CONSISTS OF

PART A

PART A

I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383 and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purpose of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by this Regional Board.
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

II. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLES, ANALYSES AND OBSERVATIONS

A. Septic Tank Leachfield

<u>Station</u>	<u>Description</u>
S-0	At a point between septic tank and mound.
S-1 thru S-N	At any point surfacing waste appears.
W-3 thru W-6	Mound monitoring wells

<u>Station</u>	<u>Type of Sample and Frequency</u>	<u>Analyses</u>	<u>Units</u>
S-0	Weekly	mound Influent	Avg. Daily flow mgd
W-3-W-6	Weekly	water level	

<u>Station</u>	<u>Frequency of Observation</u>	<u>Observation</u>
All S-1 thru S-N	Monthly through- out the year	1. Evidence of waste surfacing (a) 2. Wet spots or lush growth existing in septic tank and/or leach field area.

(a) Surfacing water shall be sampled for total coliform, and reported immediately to the Regional Board. Repeat weekly until source of the water is determined or corrected.

B. Evaporation Pond

<u>Station</u>	<u>Description</u>
P-1	At any point in the pond within one foot from the surface.
D-1 thru D-N	At points along the perimeter of the pond dikes.

<u>Station</u>	<u>Type of Sample and Frequency</u>	<u>Analyses</u>	<u>Units</u>
P-1	Continuous	Pond In- fluent	Average daily flow, mgd
P-2	Grab, monthly	Dissolved Oxygen	mg/l
		pH Dissolved Sulfide(1)	electrometrics mg/l

<u>Station</u>	<u>Frequency of Observations</u>	<u>Observations</u>
All D Stations	Monthly through- out the year	1. Determine pond and water depth freeboard at low- est point in pond perimeter dike(2)

2. Evidence of leaching liquid from pond perimeter dike and estimated size of affected area (show affected area on a sketch)
3. Odor: presence or absence characterization, source and distance of travel

- (1) If D.O is less 2.0 mg/l
- (2) A water depth staff is to be installed and monitored

C. Spray Field

Station

Description

P-1
thru
P-'n'

Located along the periphery of the the spray disposal area at equidistant intervals, not to exceed 200 feet. (A sketch showing the location of these stations will accompany each report.)

<u>Station</u>	<u>Type of Sample and Frequency</u>	<u>Observations & Analyses</u>
P-1 thru P-'n'	Observations, <u>weekly</u> throughout the period disposal is taking place	All applicable Standard Observations and observations for runoff entering, leaving and present on spray disposal sites.

III. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Violations of Requirements

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) maintenance work, power failures, or breakdown of waste treatment equipment, or
- (b) accidents caused by human error or negligence, or
- (c) other causes such as acts of nature,

the discharger shall notify the Regional Board Office by telephone at (415) 464-1255 as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

2. Bypass Reports:

Bypass reporting shall be an integral part of regular monitoring program reporting and a report on bypassing of untreated waste or bypassing of any ponded water shall be made which will include cause, time and date, duration and estimated volume of waste bypassed, method used in estimating volume, and persons (including Sonoma County Health) notified, for bypasses. Notification to the Regional Board shall be made immediately by phone, followed by written correspondence within 15 days if a bypass occurs.

The discharger shall file a written technical report at least 15 days prior to advertising for bid on any construction project which would cause or aggravate the discharge of waste in violation of requirements; said report shall describe the nature, costs, and scheduling of all action necessary to preclude such discharge.

3. Self-Monitoring Reports

Written reports shall be filed regularly for each month and submitted by the fifteenth day of the following month. The reports shall be comprised of the following:

a. Letter of Transmittal

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past month and actions taken or planned for correcting violations, such as operation modifications and/or pond facilities expansion. If the discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence

transmitting such schedule will be satisfactory. Monitoring reports and the letter transmitting reports shall be signed by the facility owner. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

b. Data Results

All results observed or analyzed in II.A-C, including dates and times of sampling and/or observations.

c. Map:

A map shall accompany the report showing sampling and observation station locations.

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 84-72.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

ROGER B. JAMES
Executive Officer

Effective Date October 23, 1984